



GULF DISTURBANCE BRIEFING

4:30 PM CT
Friday, May 21, 2021

What has changed:

No significant change in the forecast or anticipated impacts. Weak TD or TS is still possible before landfall along mid Texas coast late tonight.



Situation Overview

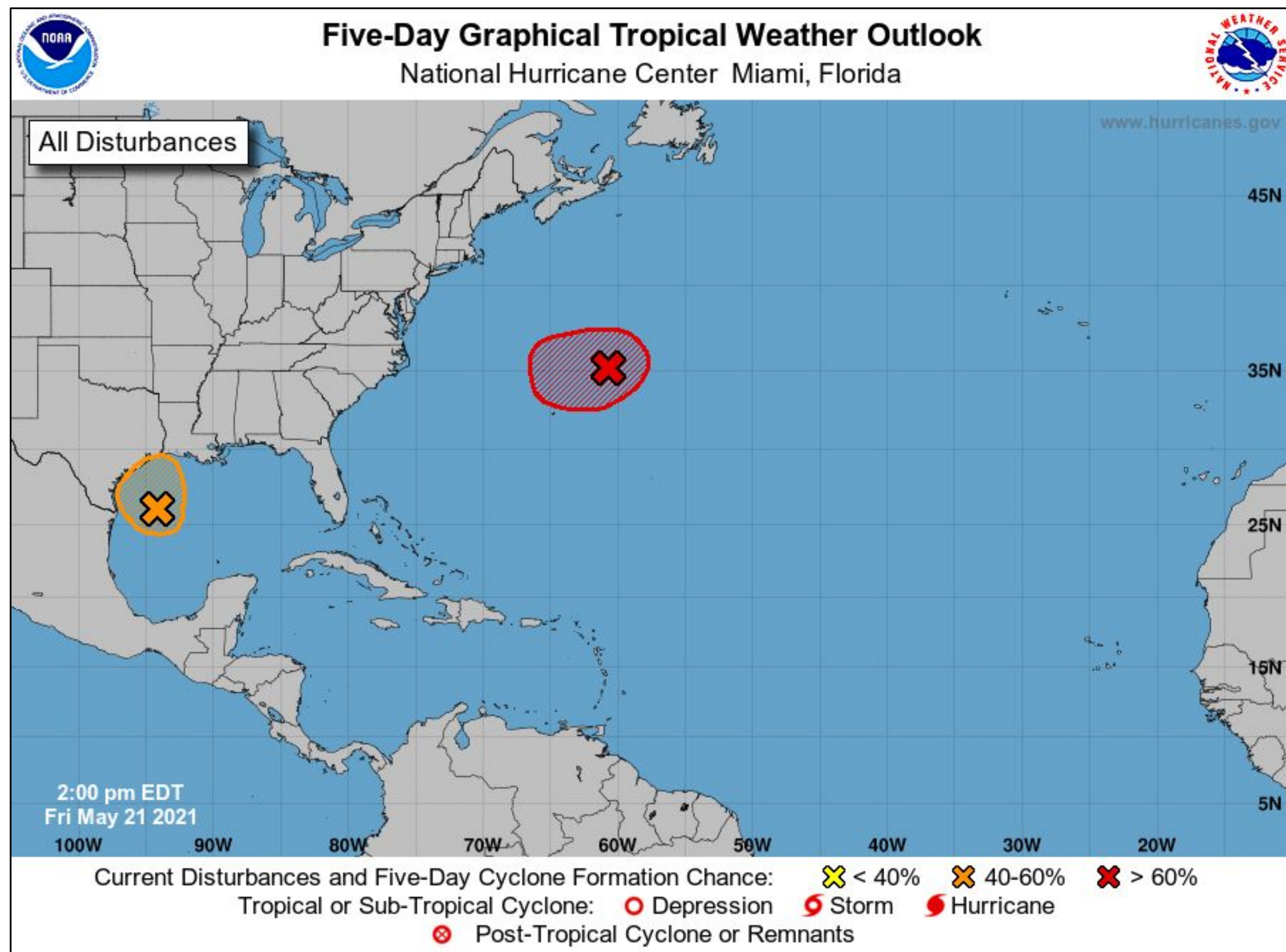
Gulf Disturbance

- Monitoring disturbance in Gulf of Mexico.
- Disturbance may become short-lived tropical depression or storm before moving inland late tonight
- If anything forms, would be short-lived (only a few hours)
- Main hazards:
 - Heavy rainfall, prolonged flooding across Victoria Crossroads
 - Hazardous beach and marine conditions all of Middle Texas Coast



Tropical Weather Outlook

Gulf Disturbance

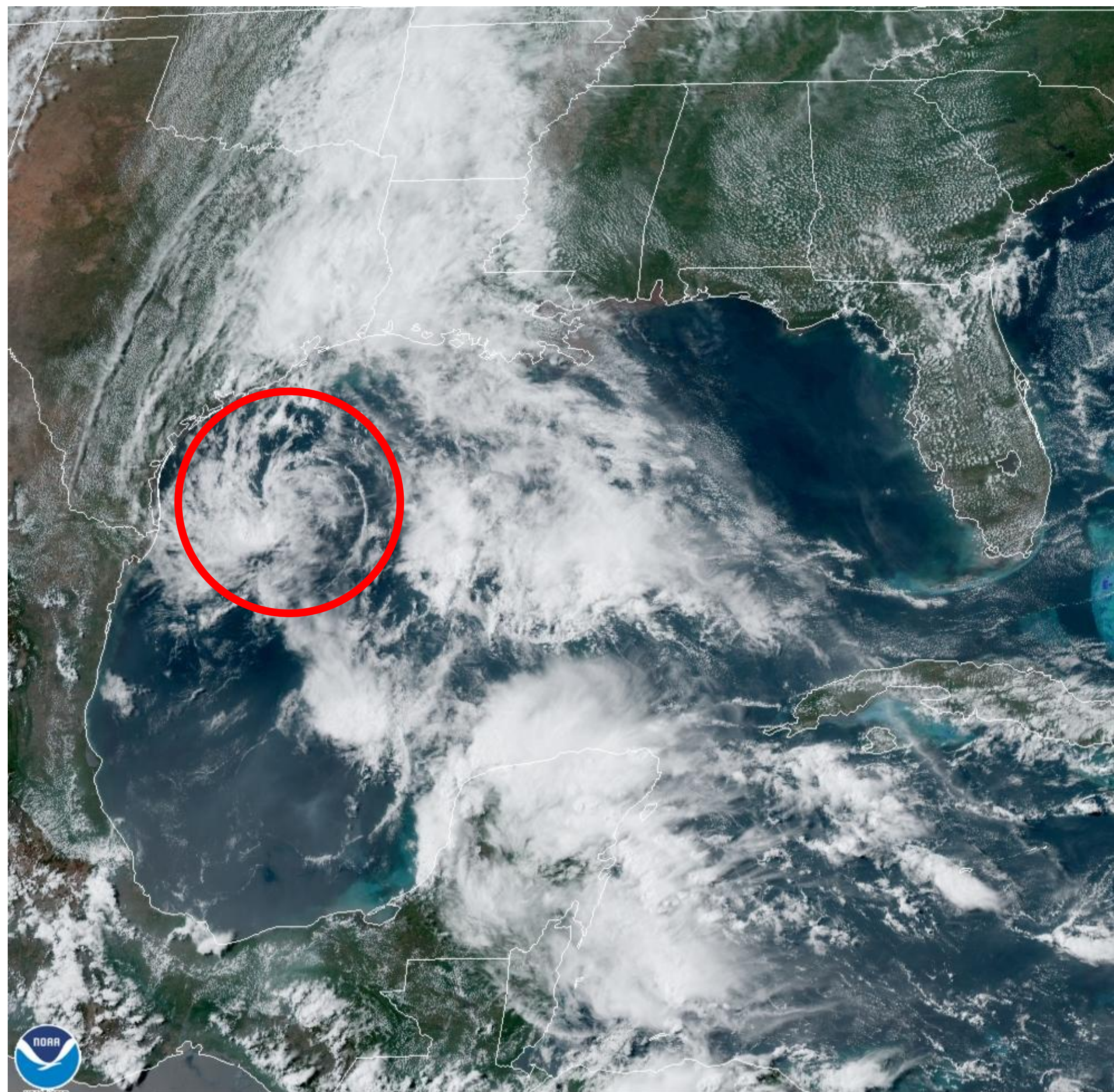


- Environmental conditions are marginally conducive for development.
- A short-lived tropical depression or storm could form before the disturbance moves inland tonight
- **Reminder:** *The hatched area represents a possible development area, not the system's path after development occurs.*



Current Satellite View

Gulf Disturbance



21 May 2021 20:41Z NOAA/NESDIS/STAR GOES-East GEOCOLOR

- A low level circulation has been observed on satellite imagery
- Estimated winds 25 knots (approx 30 MPH)
- Shower and thunderstorm activity around the center is weak at this time.
- Approximate location:
 - 210 miles east-southeast of Corpus Christi
 - 230 miles southeast of Victoria



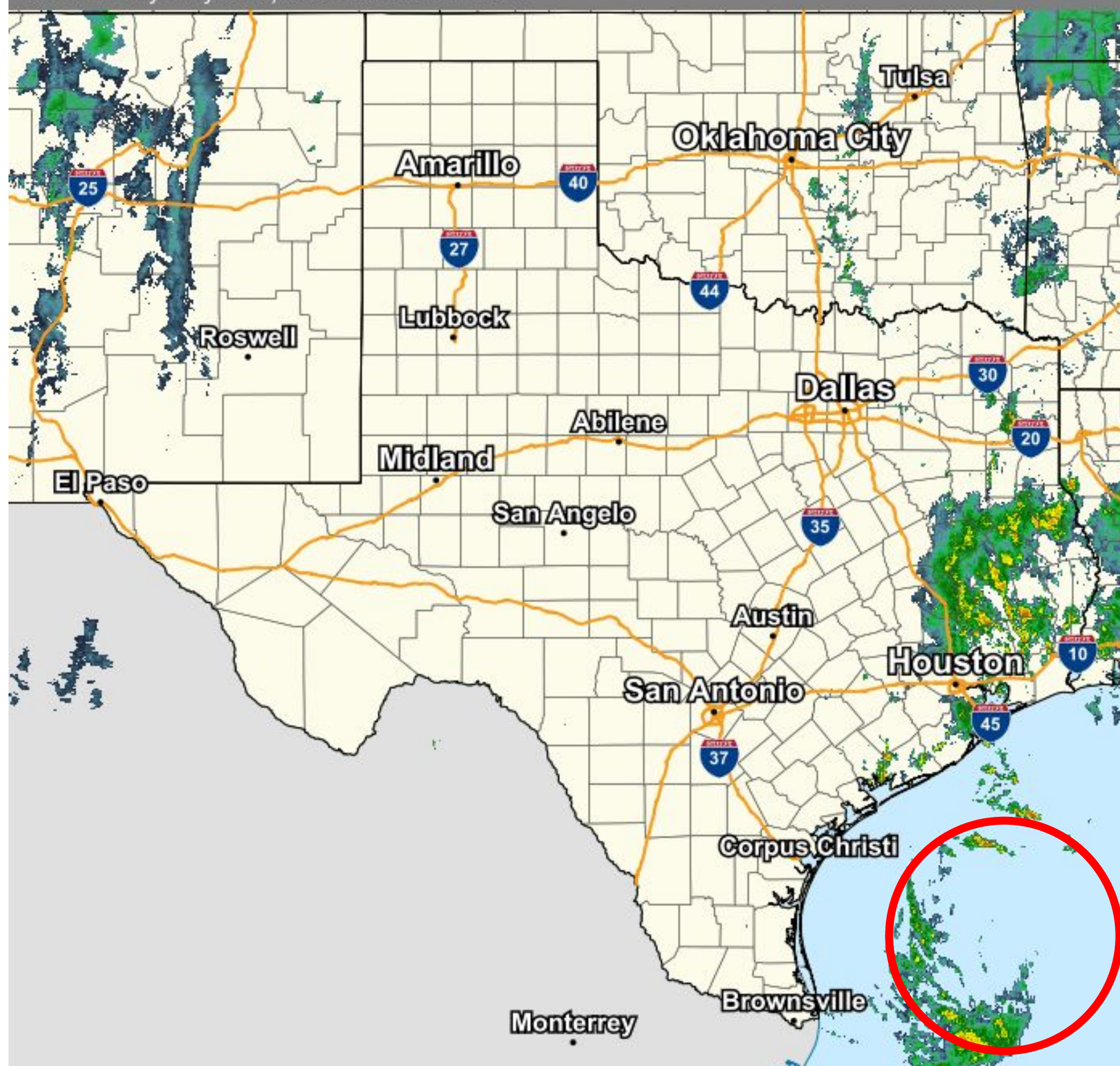
Current Radar View

Gulf Disturbance



Radar Reflectivity

Valid Friday May 21st, 2021 at 3:38 PM CDT

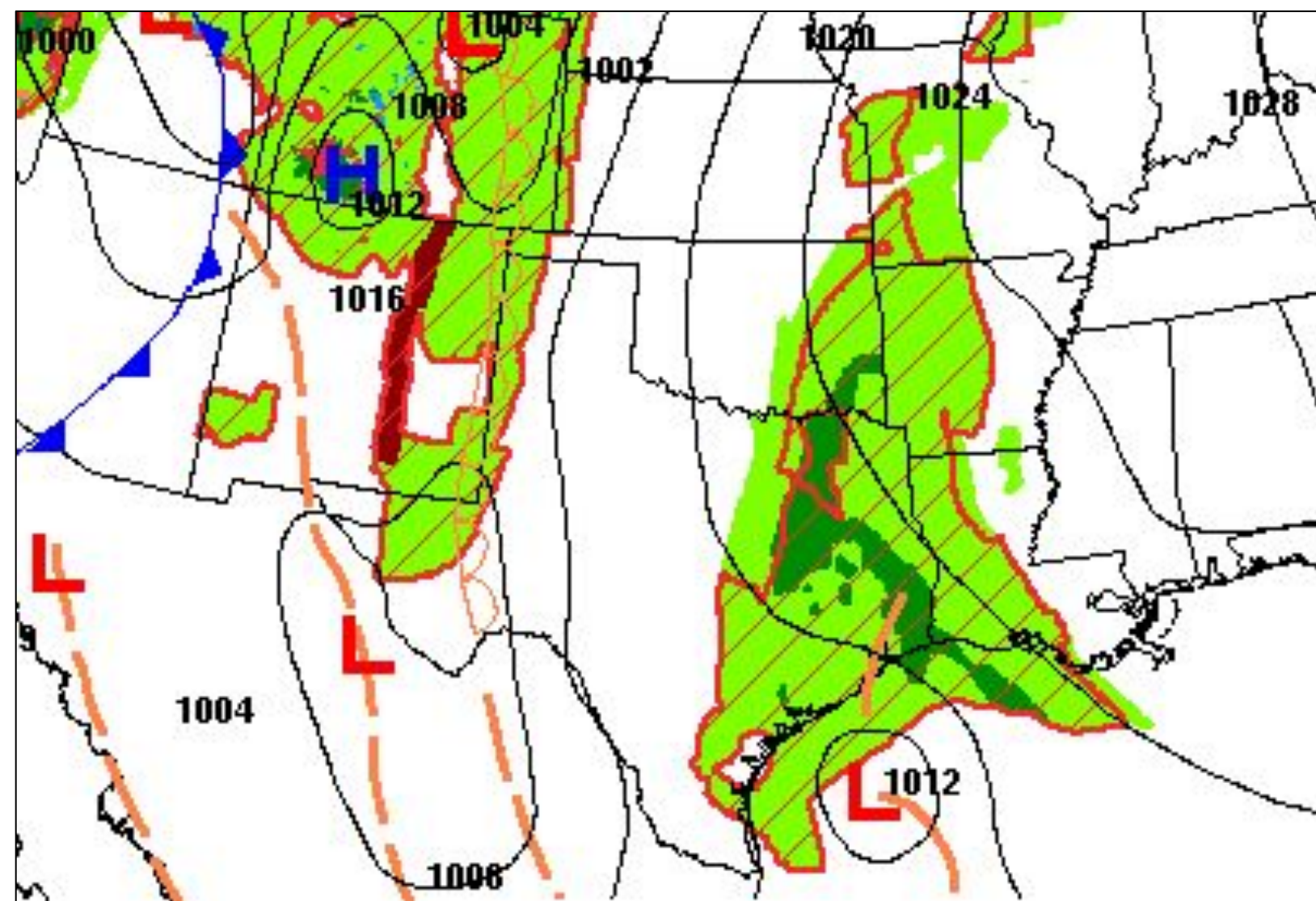


- Scattered showers and thunderstorms associated with the disturbance will impact the coast late tonight.
- Wind gusts near tropical storm force (30-40 mph) possible with heavier showers.

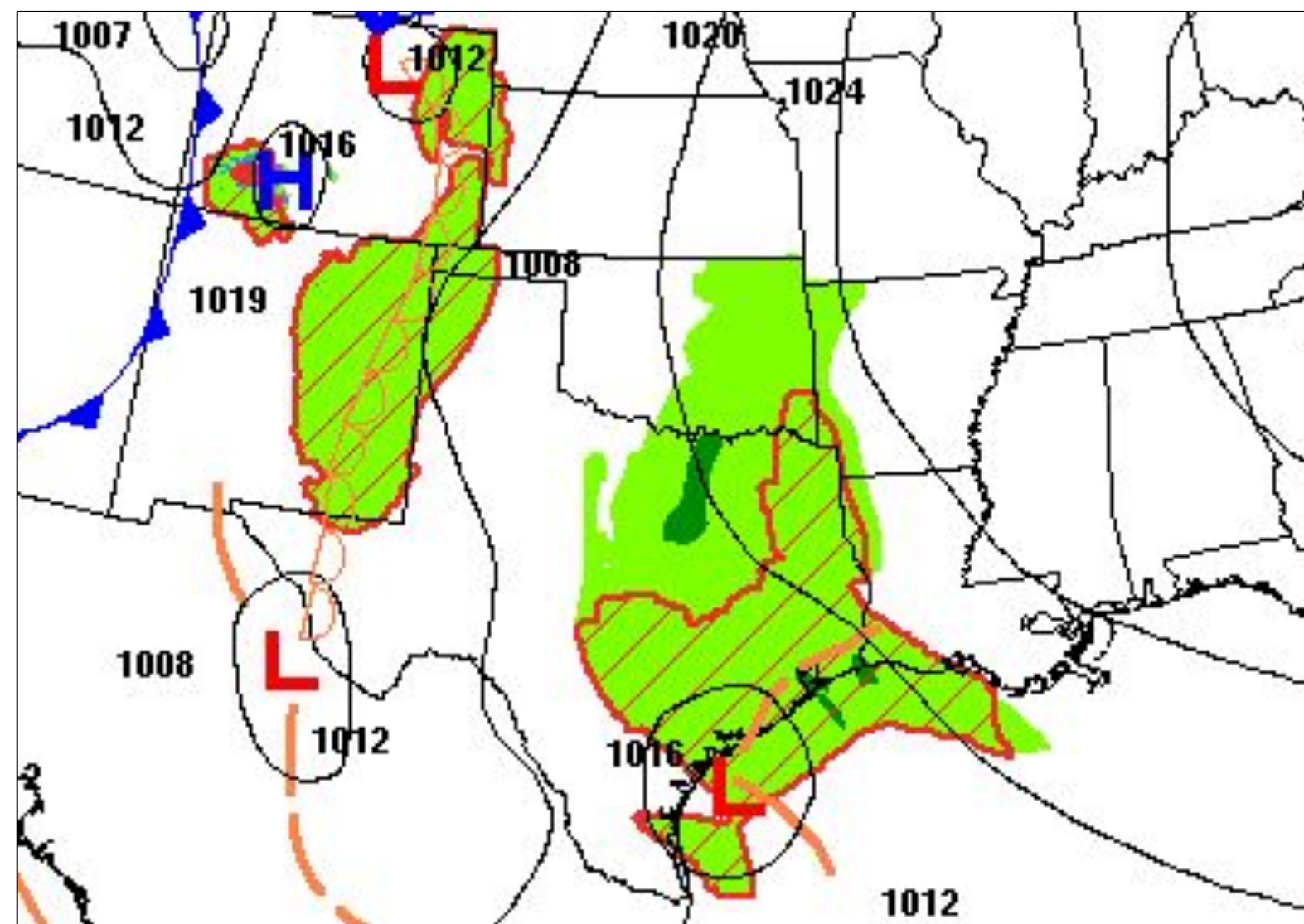


Forecast Path

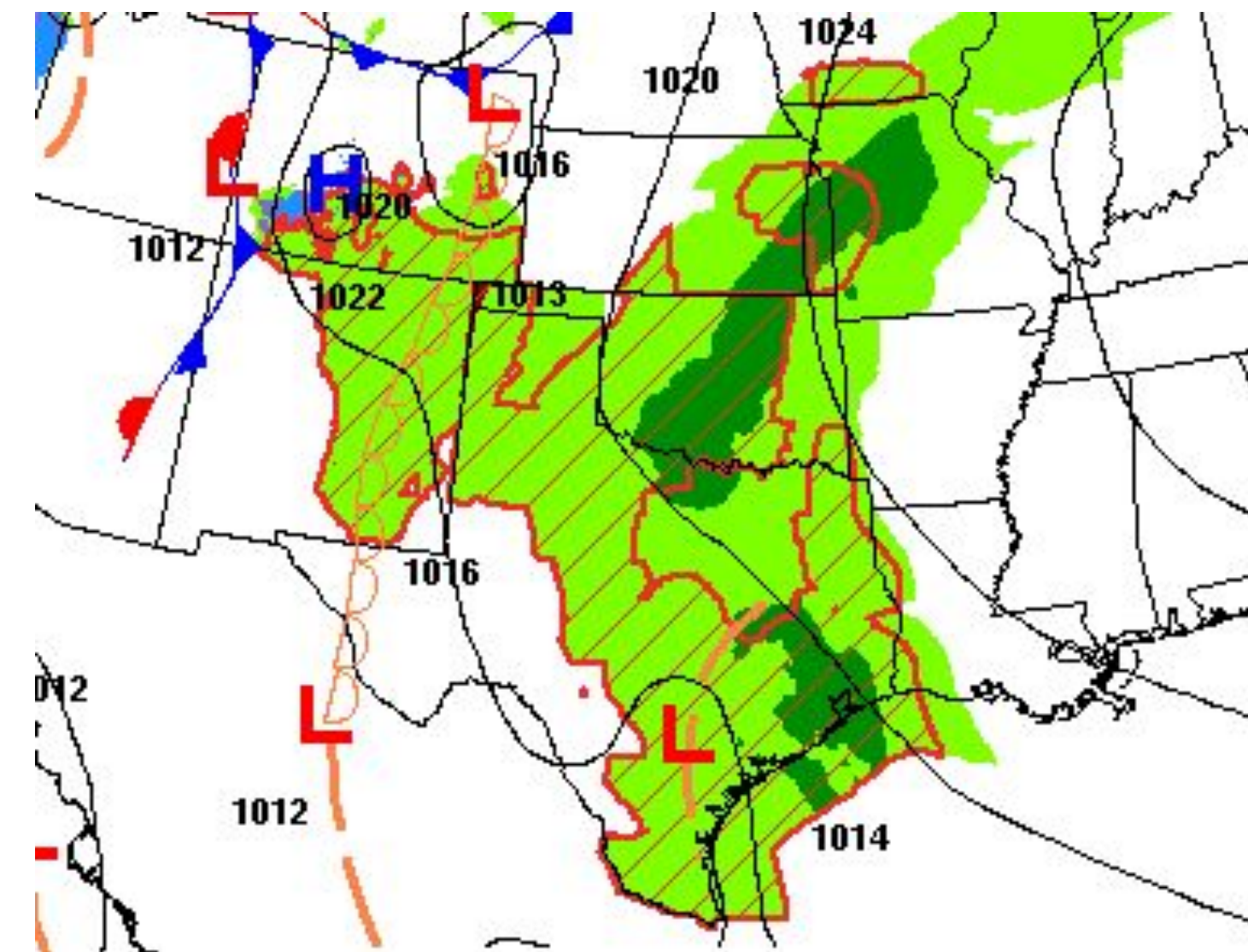
Gulf Disturbance



Friday Evening (7 PM)



Friday Morning (1 AM)



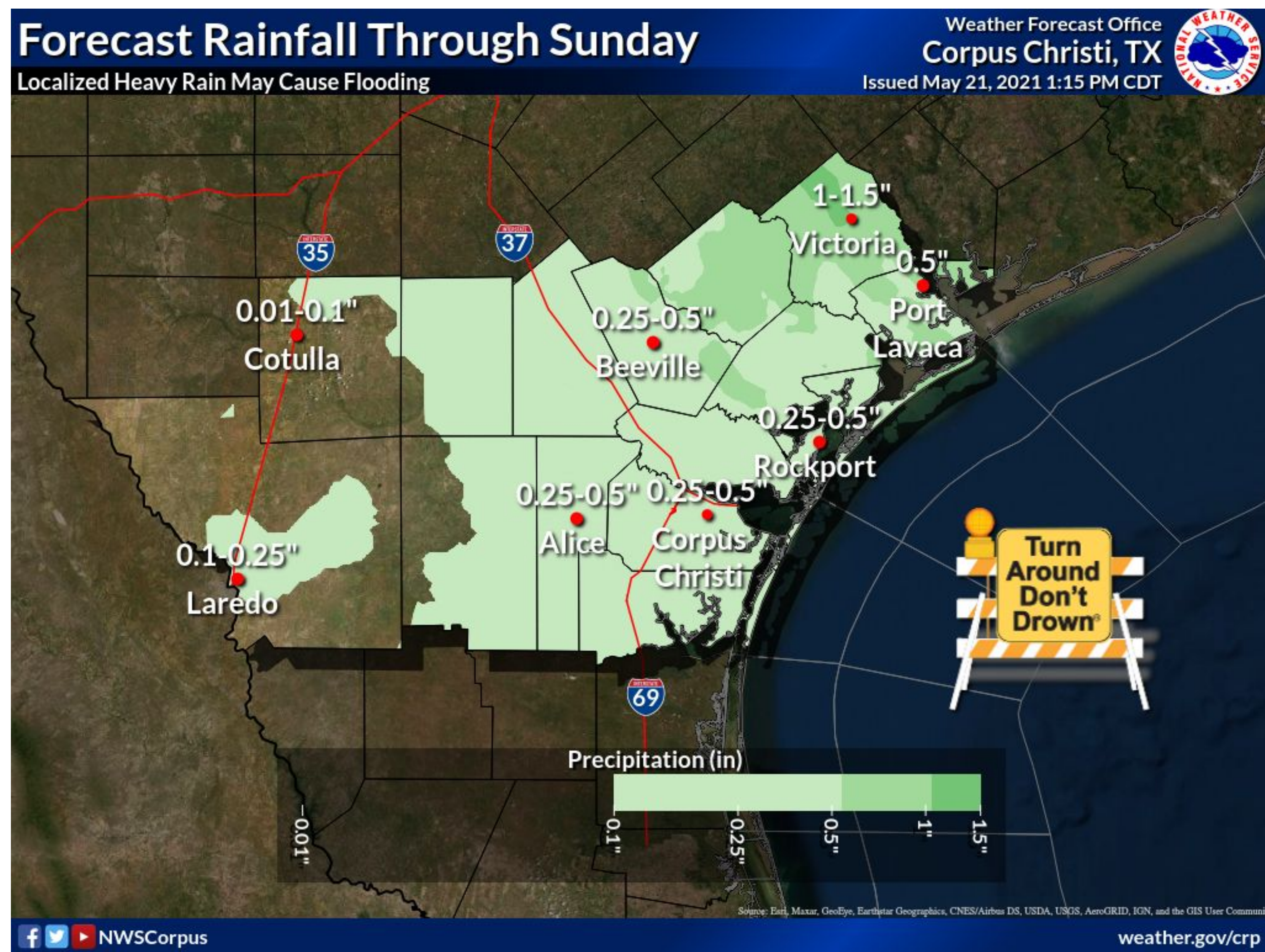
Saturday Morning (7 AM)

- The disturbance in the Gulf (red **L** off Texas coast) will move inland along the mid Texas coast late tonight (near Matagorda Bay).
- This system is expected to continue moving inland across the state on Saturday with no significant lingering heavy rain potential.



Forecast Rainfall through Sunday

Gulf Disturbance



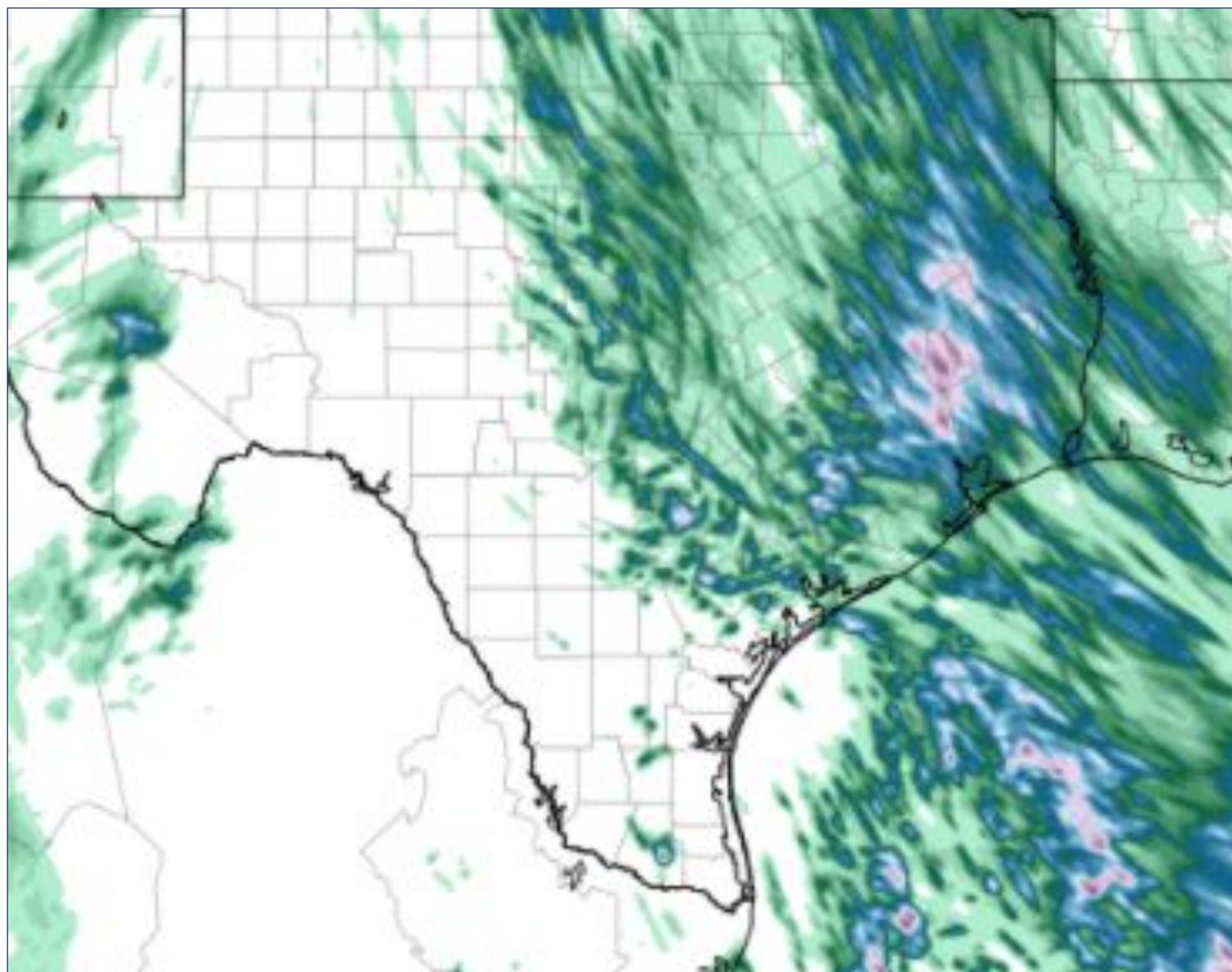
- Rainfall amounts 1 to 2 inches, isolated totals near 3" possible through Sunday, mainly across the Victoria Area.
- Locally heavy rain may cause isolated areas of flash flooding
- Widespread Flash Flooding is not expected.



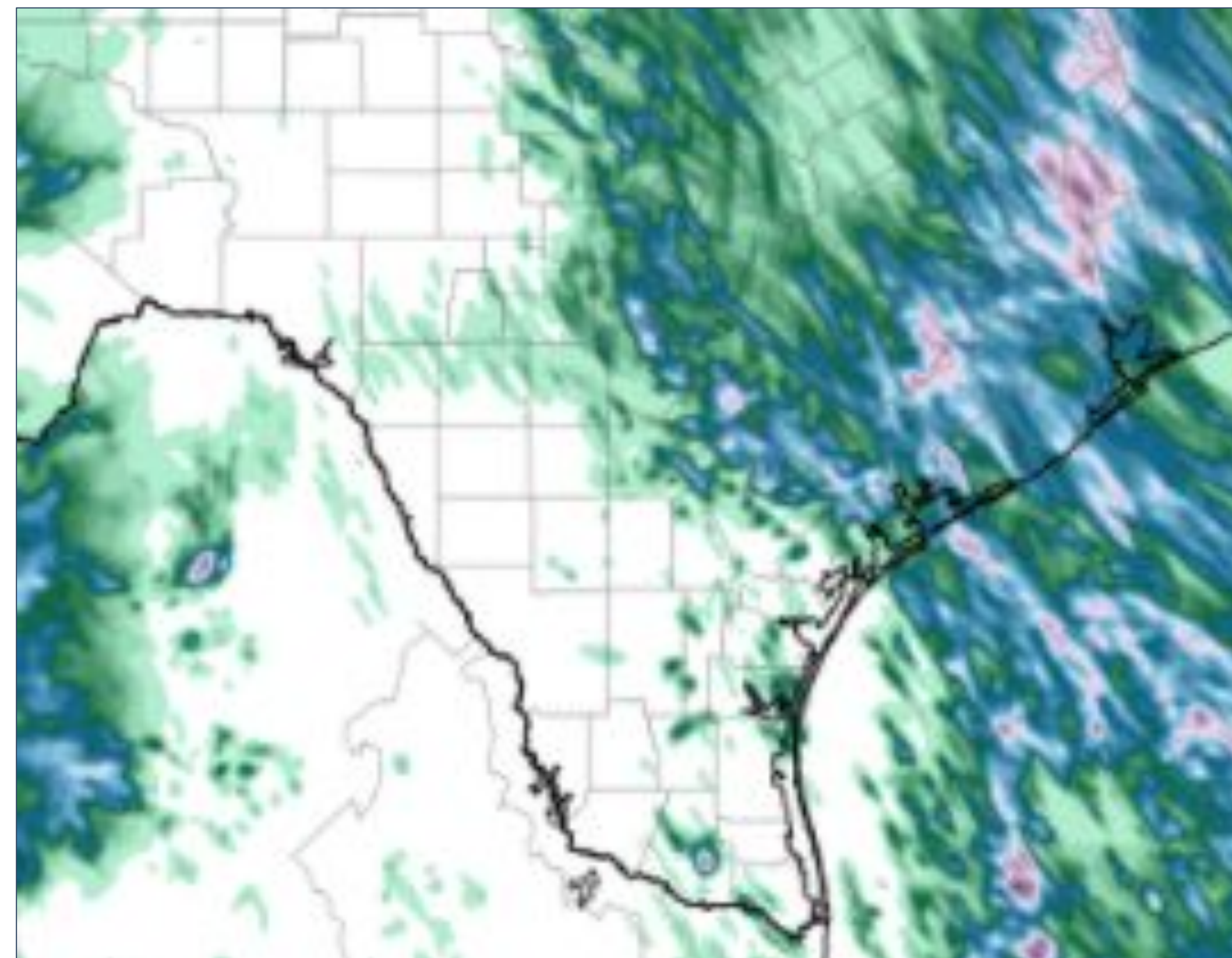
Model Simulation Storm Total Rainfall

Gulf Disturbance

Totals through Saturday



Totals through Sunday

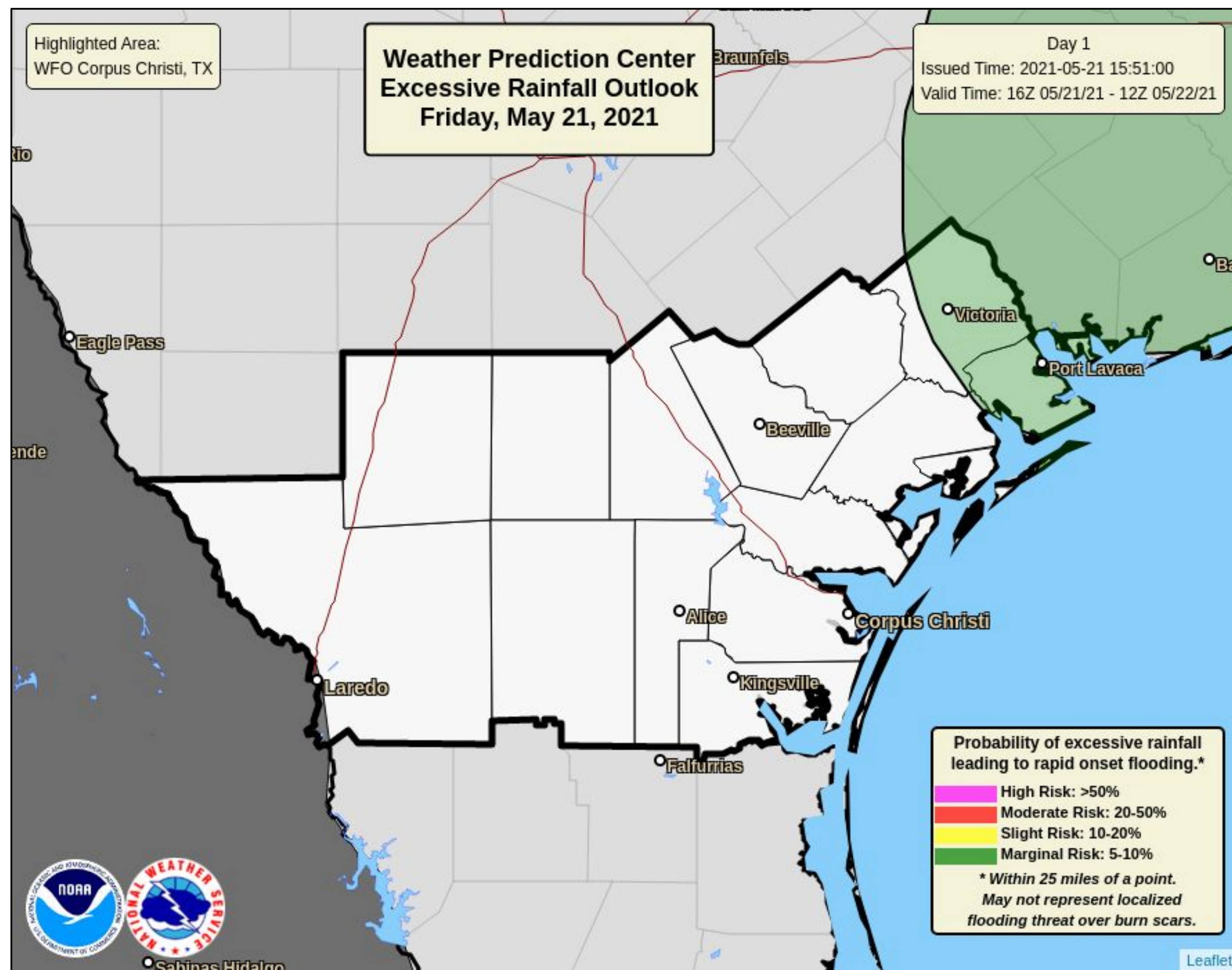


Note: Location and amounts may be different than shown



Excessive Rainfall Outlook: Tonight

Gulf Disturbance

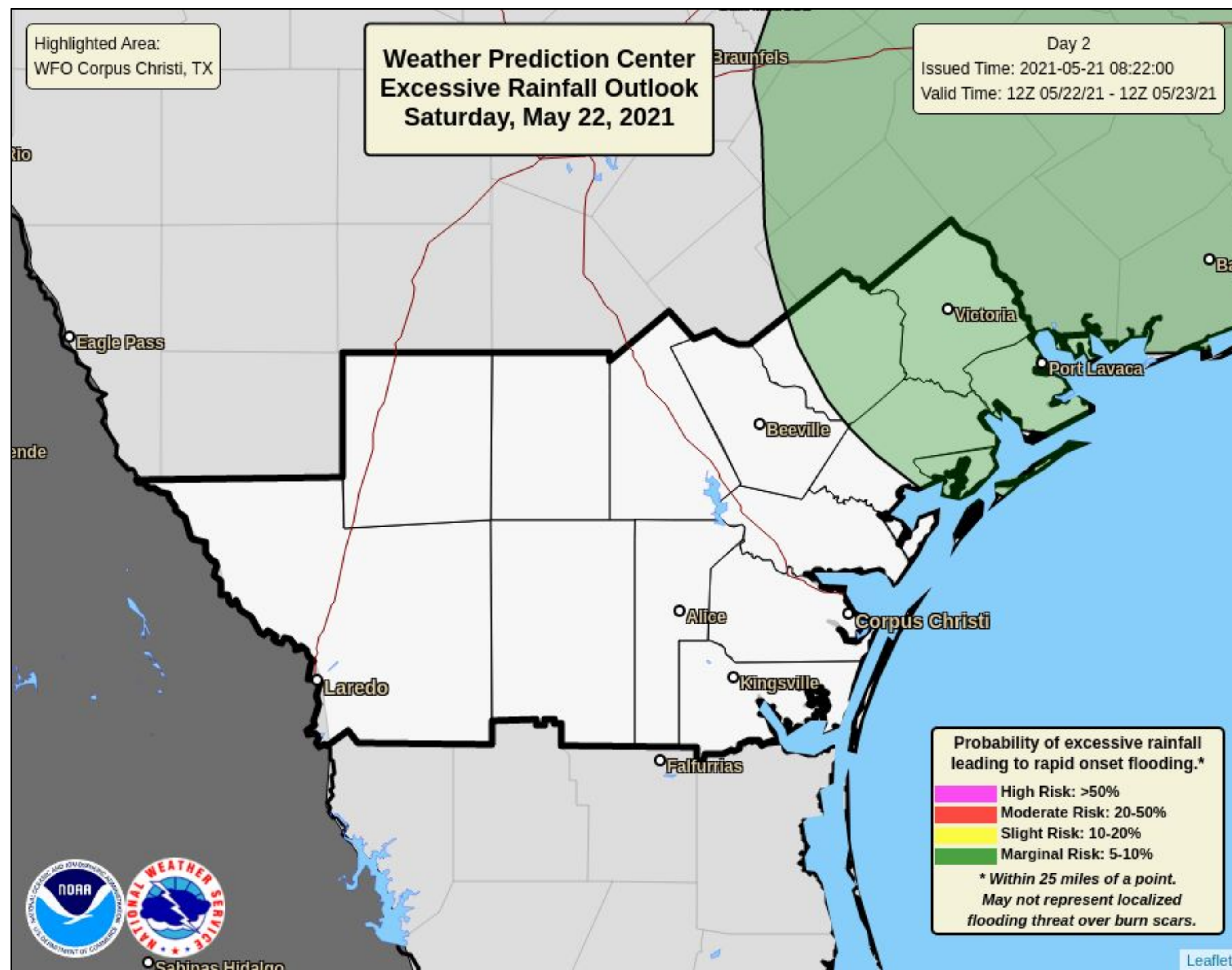


- Areas outlined in green have the greatest potential for flash flooding Tonight.
- Locally heavy rain may cause isolated areas of flash flooding



Excessive Rainfall Outlook: Saturday/Saturday Night

Gulf Disturbance

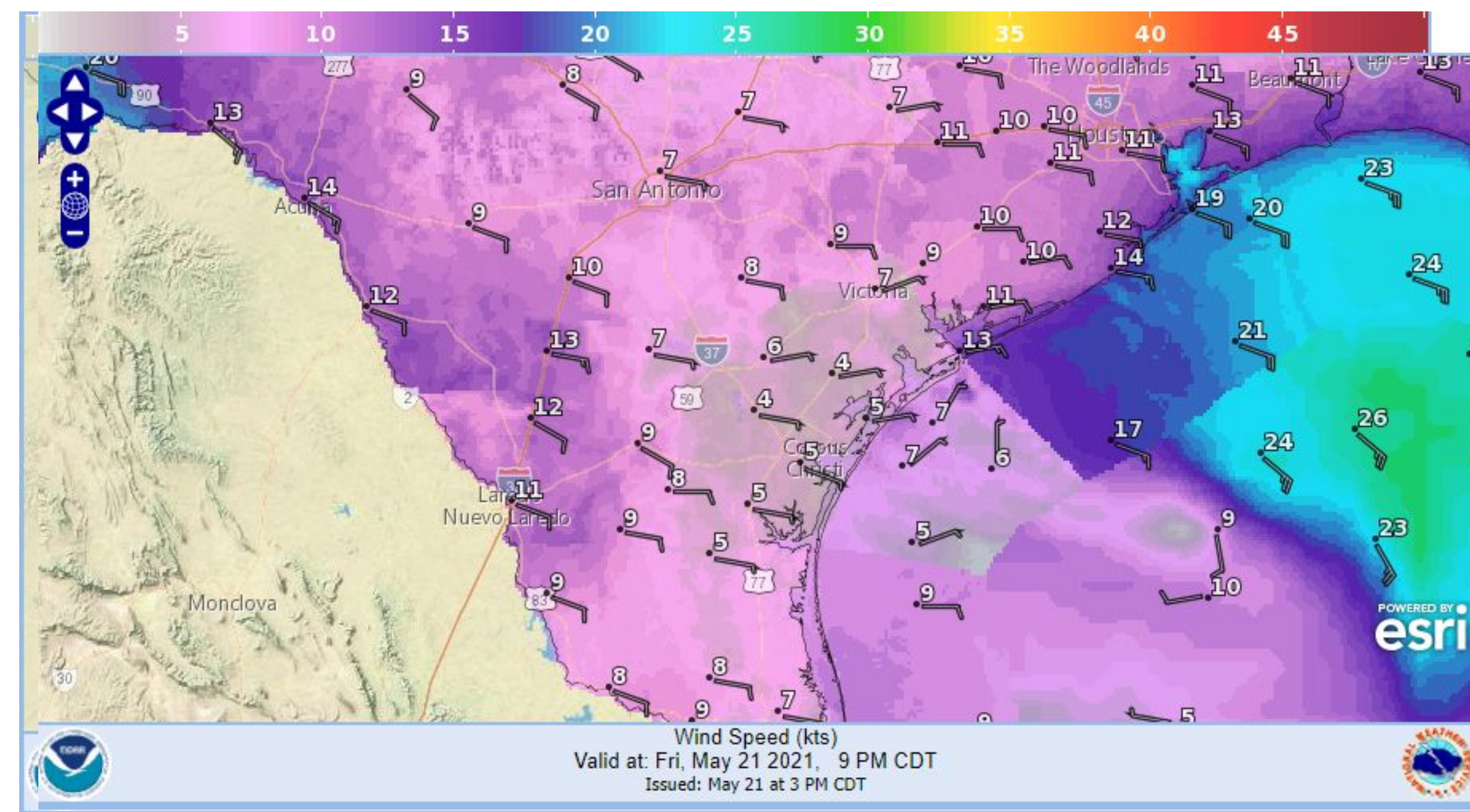


- Areas outlined in green have the greatest potential for flash flooding on Saturday
- Locally heavy rain may cause isolated areas of flash flooding

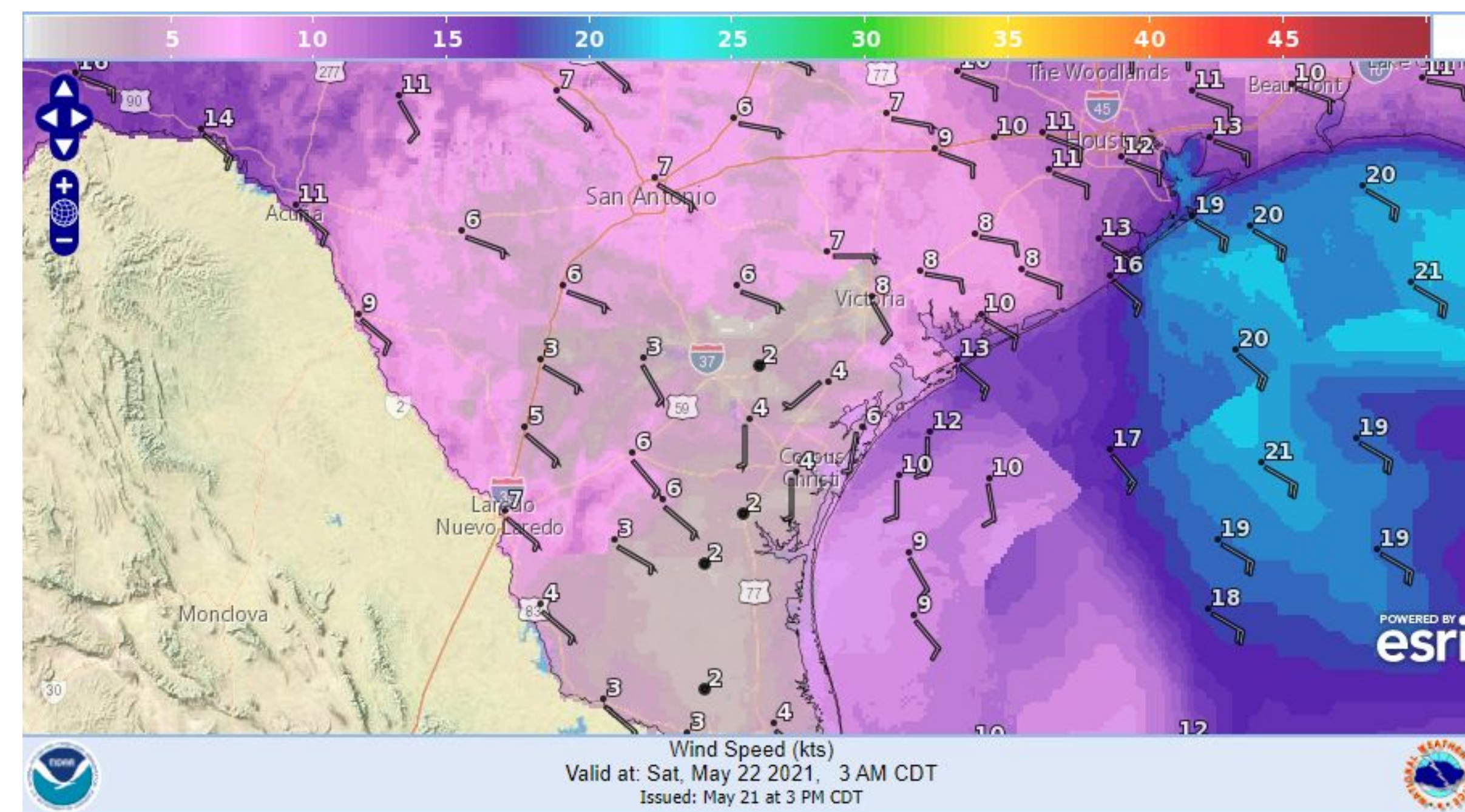


Forecast Winds: Tonight/Saturday

Gulf Disturbance



9PM Tonight



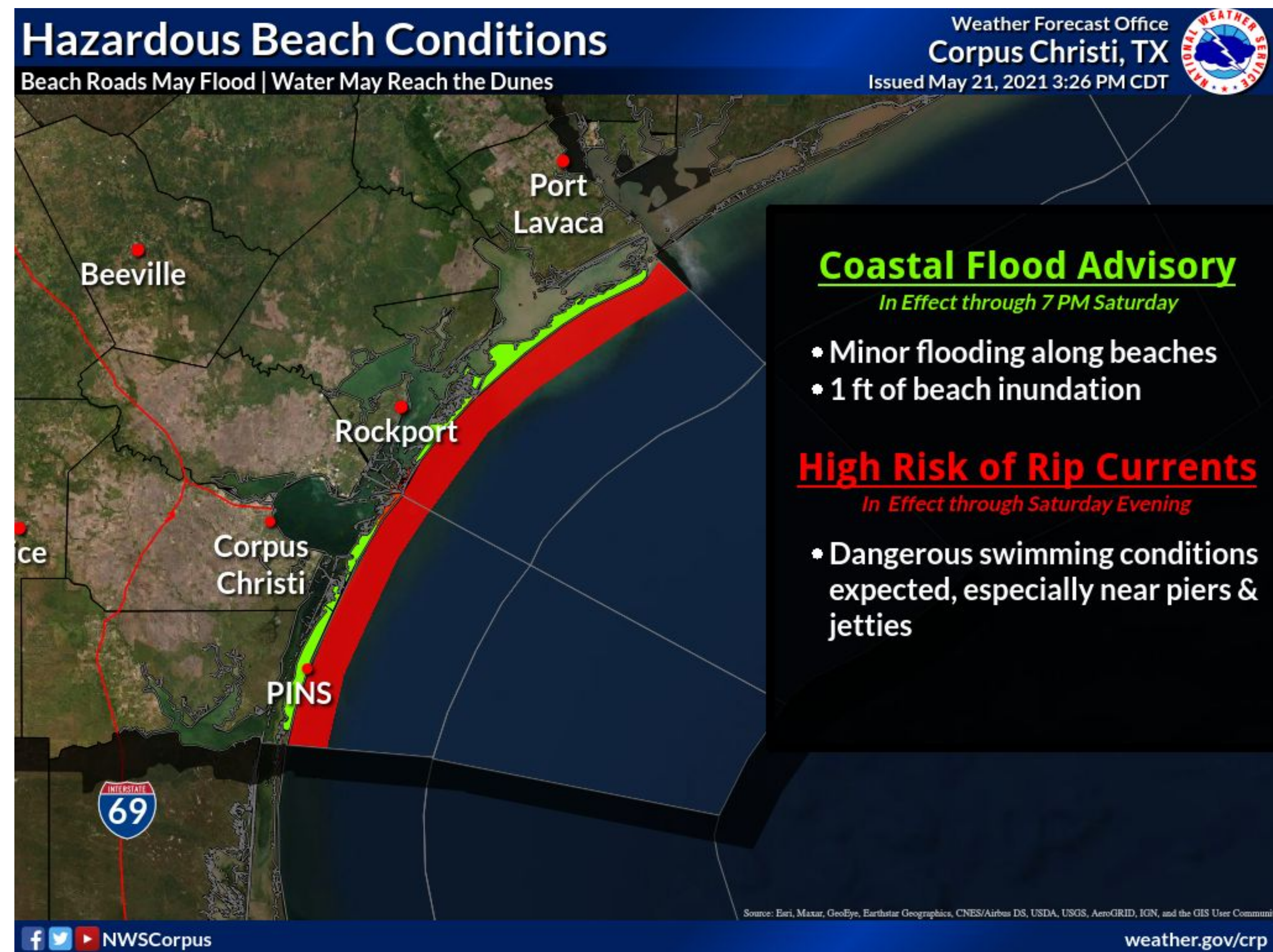
3AM Saturday

- If no further strengthening occurs, expect winds generally under 15 MPH tonight and Saturday
- Worst case scenario would be for a short-lived tropical storm (winds 40 MPH)



Beach Conditions

Gulf Disturbance

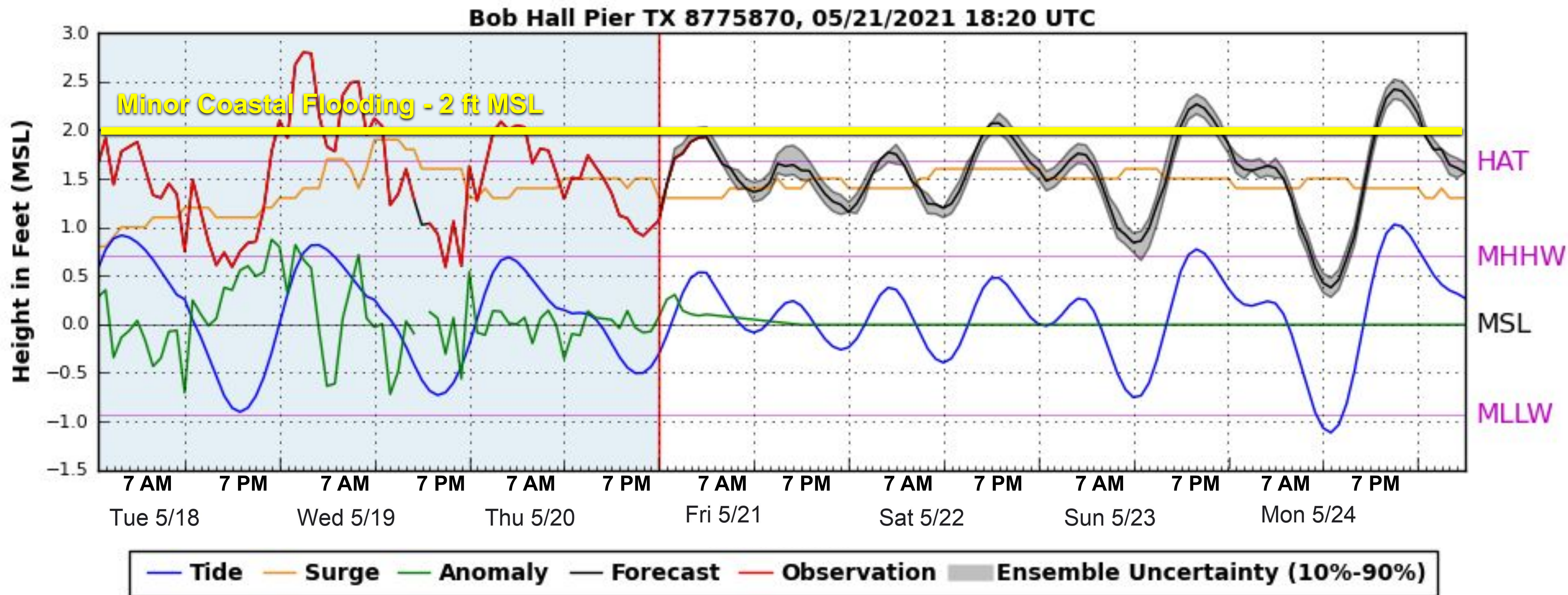


- Coastal Flood Advisory (green areas) until 7 PM Saturday
- 1 ft of beach inundation
- High risk of rip currents through Saturday Evening



Coastal Flooding: Bob Hall Pier

Gulf Disturbance

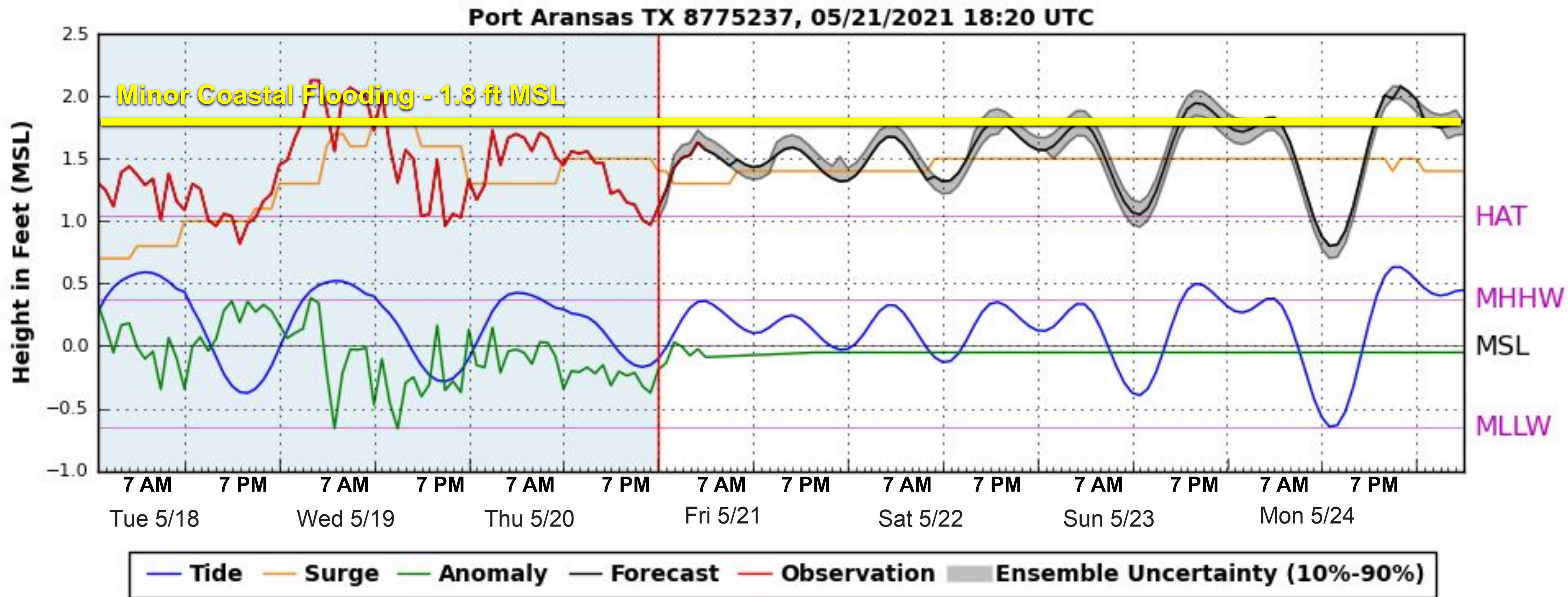


- Tide levels peaking near 2 ft this weekend, water levels may be higher if disturbance organizes; minor coastal flooding expected
- High tide times: Friday 11:51 PM, Saturday 12:05 PM



Coastal Flooding: Port Aransas

Gulf Disturbance

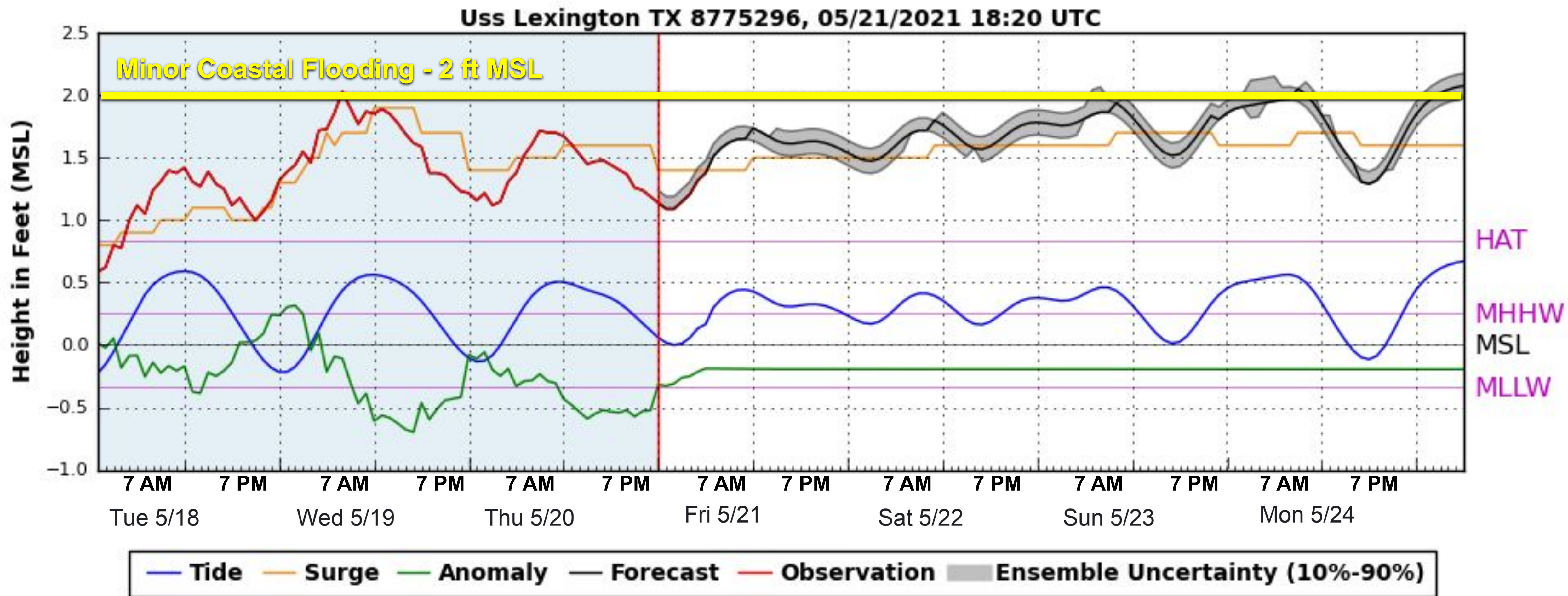


- Water levels 1.8-2 ft MSL through Monday, minor coastal flooding expected
- High tide times: Friday 11:49 PM, Saturday 12:06 PM



Coastal Flooding: USS Lexington

Gulf Disturbance

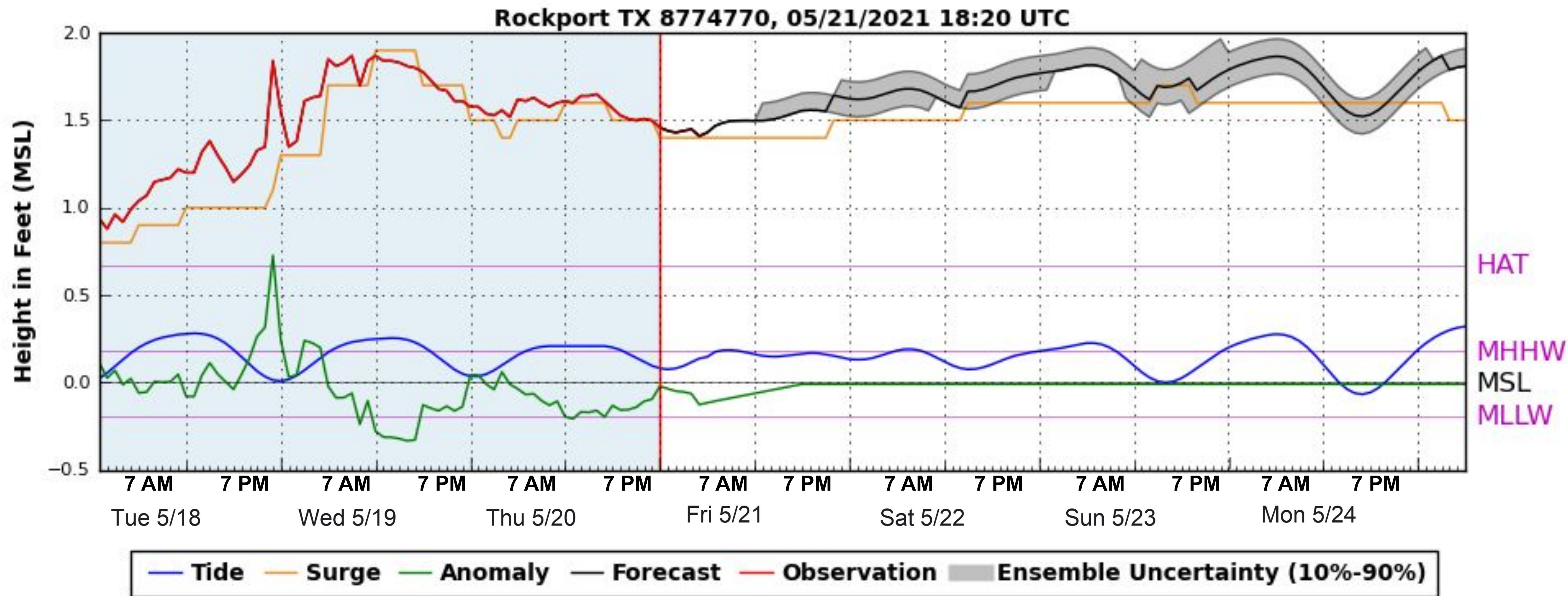


- Water levels generally under 2 ft through Saturday, increasing early next week
- High tide times: Friday 5:51 PM, Saturday 4:46 PM



Coastal Flooding: Rockport

Gulf Disturbance

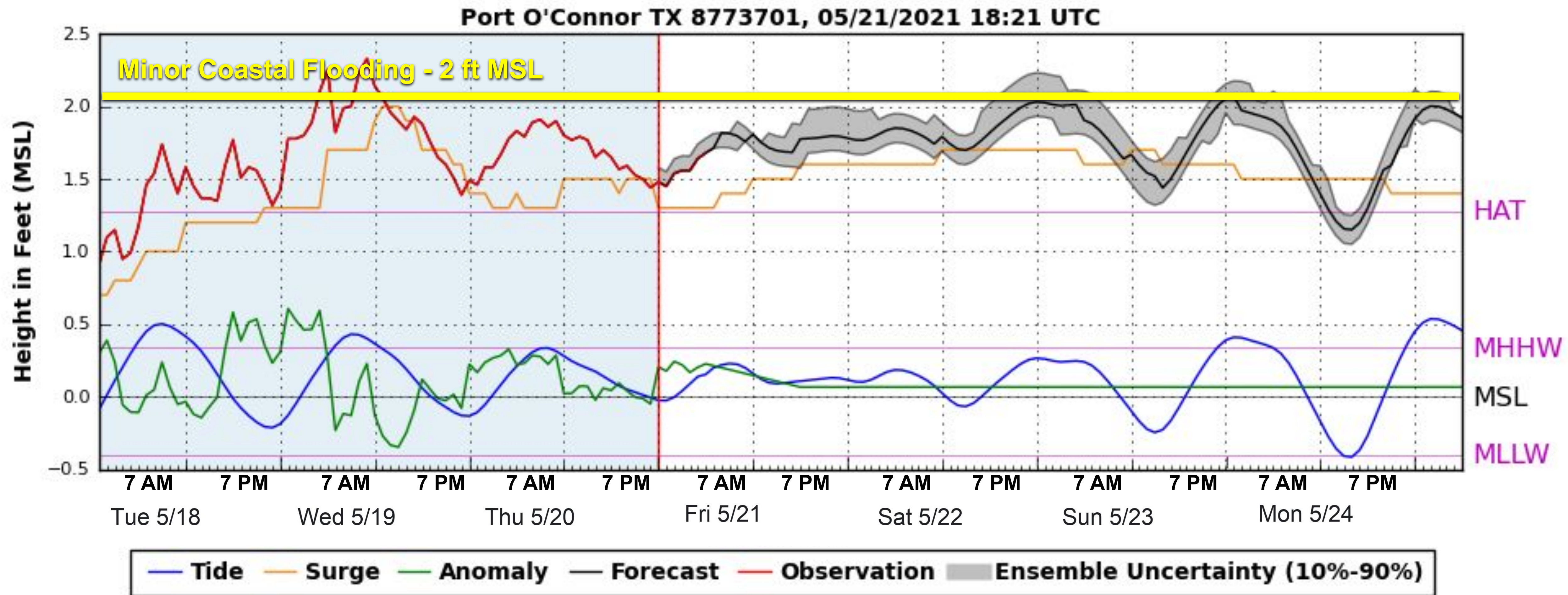


- Water levels 1.5-2 ft MSL
- High tide times: Friday 7:00 PM, Saturday 1:53 AM, Saturday 1:48 PM



Coastal Flooding: Port O'Connor

Gulf Disturbance

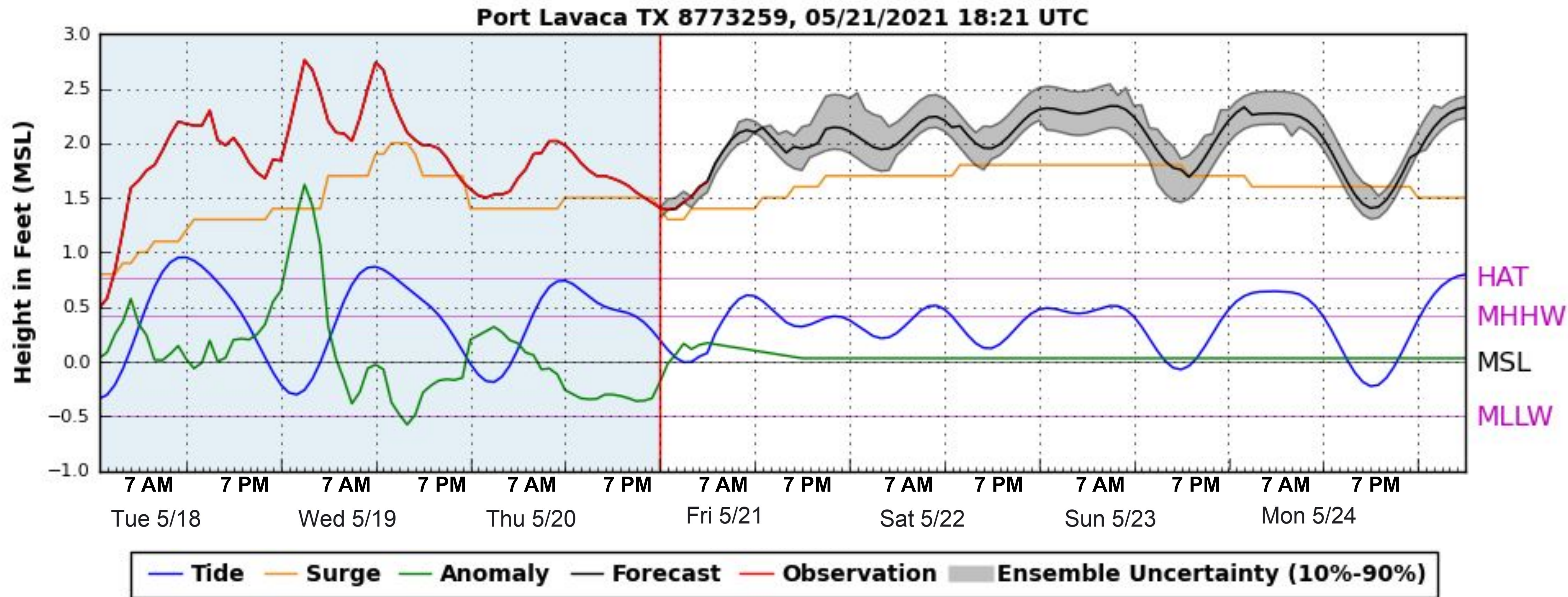


- Water levels 1.5-2 ft MSL
- High tide times: Friday 4:19 PM, Saturday 3:18 AM, Saturday 2:32 PM



Coastal Flooding: Port Lavaca

Gulf Disturbance

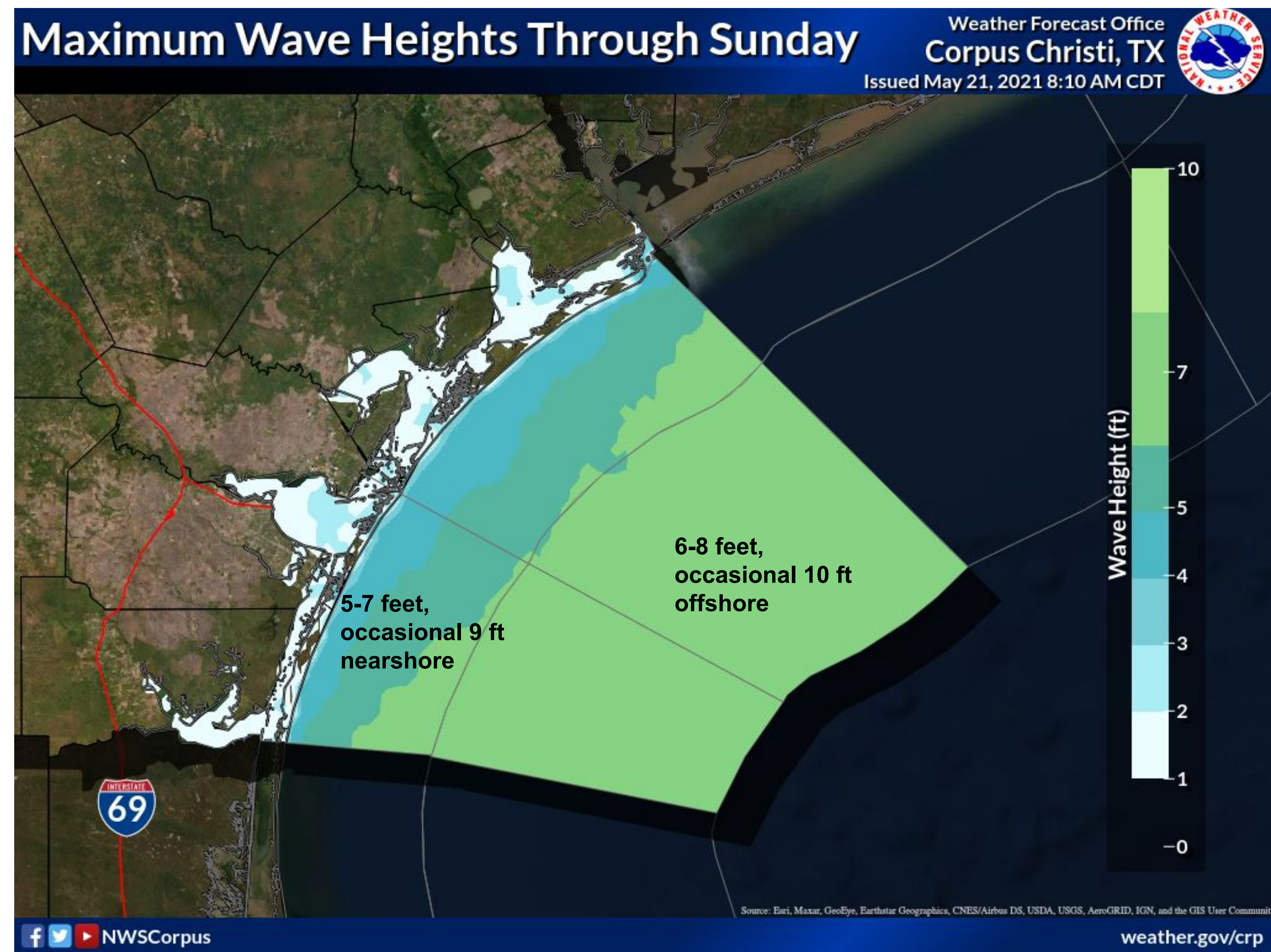


- Water levels 2-2.5 ft MSL
- High tide times: Friday 6:16 PM, Saturday 4:24 AM, Saturday 5:39 PM



Marine Conditions

Gulf Disturbance



- Winds 10-15 knots across the waters
- Wave heights will increase tonight and remain high through weekend.
 - Nearshore: 5-7 ft, occasional 9 ft
 - Offshore: 6-8 ft, occasional 10 ft
- Highest wave heights forecast for Saturday night
- Wave periods of 9-10 seconds



5-Day Outlook

Gulf Disturbance

Day/ Threat	Tonight	Saturday	Sunday	Monday	Tuesday
Heavy Rain	Victoria Crossroads	Victoria Crossroads			
Coastal Flooding	PINS to Port O'Connor	PINS to Port O'Connor	PINS to Port O'Connor		
Waves > 7 ft	Waters Beyond 20 NM	All Gulf Waters	All Gulf Waters	Waters Beyond 20 NM	
Rip Currents	Entire Middle Texas Coast	Entire Middle Texas Coast			

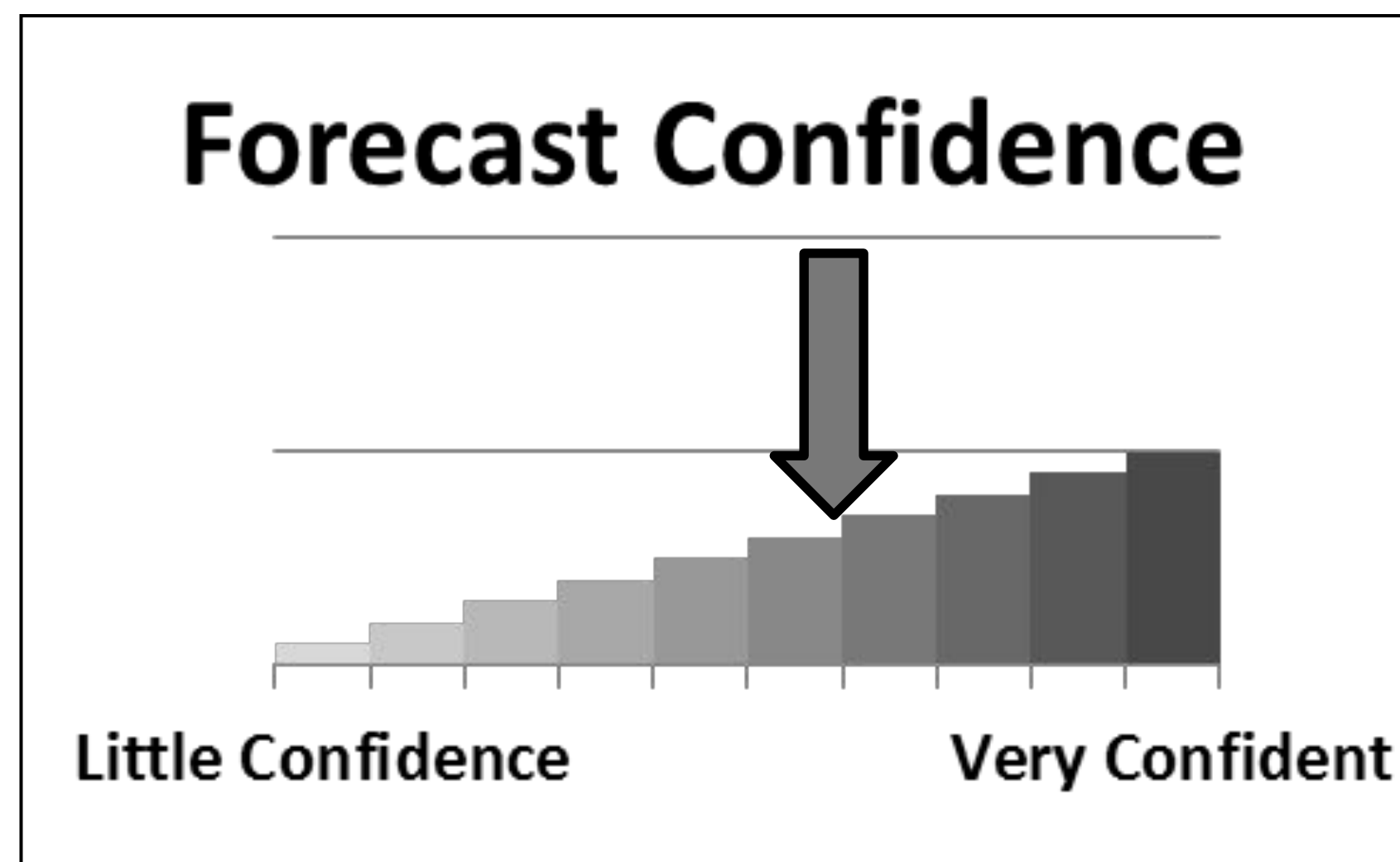
Risk Level	None	Limited	Elevated	Significant	Extreme
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Key Take-Aways

Gulf Disturbance

- Monitoring disturbance in Gulf of Mexico
- Disturbance may become short-lived tropical depression or storm before moving inland tonight
- If anything forms, would be short-lived (only a few hours)
- Main hazards:
 - Heavy rainfall, prolonged flooding across Victoria Crossroads
 - Hazardous beach and marine conditions all of Middle Texas Coast





Confidence is low on if the Gulf disturbance will develop further. Shelf waters near the Texas coast are colder than the water it is currently over.


Confidence is high that the Gulf disturbance will reach the Middle/Upper Texas coasts tonight.





Next Email Briefing: Today around 7 PM


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For the latest graphics and information go to: www.hurricanes.gov or weather.gov/crp/tropical